

# Practice Quiz – Work as a team

Write an algebraic expression for each word phrase.

1.  $x$  increased by 12 \_\_\_\_\_
2. The product of  $x$  and 21 \_\_\_\_\_
3. Four less than five times a number  $z$  \_\_\_\_\_

Write a word phrase for each algebraic expression.

4.  $5 - c$  \_\_\_\_\_
5.  $3x + 10$  \_\_\_\_\_
6.  $x^2$  \_\_\_\_\_

7. What is the saying to remember the **order of operations**, and what does it mean?

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Use the order of operations to simplify:

8.  $18 \div (4 + 2)$
9.  $(5 \cdot 5) \div (3 + 2)$
10.  $4^2 - (7 + 5)$

Evaluate each expression using the values given.

11.  $x + y(y - 2)$  ; use  $x = 1$ , and  $y = 6$
12.  $a + b^3 - a$  ; use  $a = 1$ , and  $b = 2$

13. List out the first 10 perfect squares:

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Name the sets to which each of the following belong: Natural, Whole, Integer, Rational, or Irrational.

14.  $\frac{9}{3}$

15. -3

16.  $\sqrt{15}$

17. 0